

| | Type | Hits | Search Text | DBs | Time Stamp |
|----|------|------|--|--------------------|---------------------|
| 1 | IS&R | 10 | ((("6016174") or ("5677207") or ("5696387") or ("5307189") or ("5466620") or ("5790090") or ("5835177") or ("5917198") or ("5917210") or ("5940151"))).PN. | USPAT; US-PGPUB | 2003/06/05 13:23 |
| 2 | IS&R | 40 | ((("5966190") or ("6028652") or ("6078366") or ("5355002") or ("5371025") or ("5517341") or ("5526014") or ("5528395") or ("5539219") or ("5546204") or ("5552909") or ("5604358") or ("5619222") or ("5668650") or ("5686977") or ("5686935") or ("5696566") or ("5714769") or ("5739877") or ("5744837") or ("5774100") or ("5793460") or ("5828367") or ("5844641") or ("5847780") or ("5852305") or ("5856854") or ("5877512") or ("5886757") or ("5900854") or ("5914762") or ("5920083") or ("5920082") or ("5920362") or ("5929501") or ("5943034") or ("5945970") or ("5994155") or ("5994721") or ("6011274"))).PN. | USPAT; US-PGPUB | 2003/06/05 13:23 |
| 3 | BRS | 0 | reapair adj member\$1 | USPAT; US-PGPUB | 2003/06/05 13:31 |
| 4 | BRS | 65 | repair adj member\$1 | USPAT; US-PGPUB | 2003/06/05 13:32 |
| 5 | BRS | 1 | (repair adj member\$1) and (tft or thin adj film) | USPAT; US-PGPUB | 2003/06/05 13:35 |
| 6 | BRS | 0 | (repair adj member\$1) and lcd | USPAT; US-PGPUB | 2003/06/05 13:36 |
| 7 | BRS | 2 | (repair adj member\$1) and (liquid adj crystal) | USPAT; US-PGPUB | 2003/06/05 15:10 |
| 8 | IS&R | 714 | (349/43).CCLS. | USPAT; US-PGPUB | 2003/06/05 15:03 |
| 9 | BRS | 1 | "6307602".PN. | USPAT | 2003/06/05 14:48 |
| 10 | IS&R | 1010 | (257/59).CCLS. | USPAT; US-PGPUB | 2003/06/05 15:01 |
| 11 | BRS | 3 | ((257/59).CCLS.) and ((white or black) adj defect) | USPAT; US-PGPUB | 2003/06/05 15:01 |
| 12 | IS&R | 932 | (257/72).CCLS. | USPAT; US-PGPUB | 2003/06/05 15:01 |
| 13 | BRS | 5 | ((257/72).CCLS.) and ((white or black) adj defect) | USPAT; US-PGPUB | 2003/06/05 15:03 |
| 14 | BRS | 6 | ("4368523" "4630893" "4666252" "4761058" "4890097" "4936656").PN. | USPAT | 2003/06/05 15:02 |
| 15 | IS&R | 588 | (349/42).CCLS. | USPAT; US-PGPUB | 2003/06/05 15:03 |
| 16 | BRS | 1 | ((349/42).CCLS.) and ((white or black) adj defect) | USPAT; US-PGPUB | 2003/06/05 15:10 |
| 17 | BRS | 13 | (liquid adj crystal) and tft and ((white or black) adj defect) | USPAT; US-PGPUB | 2003/06/05 15:11 |

| | Document ID | Pages | Title | Current OR | Current XRef | Inventor |
|---|------------------------|-------|---|------------|--|--------------------------|
| 1 | US 5909263 A | 9 | Liquid crystal display panel array structure at a pixel contact hole | 349/43 | 257/347; 257/59 | Song, Young-Goo |
| 2 | US 5999155 A | 30 | Display device, electronic apparatus and method of manufacturing display device | 345/93 | 345/92 | Satou, Takashi |
| 3 | US 6476881 B2 | 21 | Liquid crystal display device and defect repairing method therefor | 349/43 | 349/192; 349/38; 349/39; 349/42 | Ozaki, Kiyoshi et al. |
| 4 | US 6522370 B2 | 27 | Liquid crystal display units | 349/43 | 257/59; 257/72; 349/139; 349/147; 349/42 | Takahashi, Takuya et al. |

| | Document ID | Pages | Title | Current OR | Current XRef | Inventor |
|---|--------------|-------|---|------------|---|--------------------------|
| 1 | US 5466620 A | 13 | Method for fabricating a liquid crystal display device | 438/30 | 257/E21.704; 438/159; 438/4; 438/586 | Bang, Young U. |
| 2 | US 5917198 A | 15 | Gate electrodes and matrix lines made of W/Ta alloy for LCD apparatus | 257/59 | 257/53; 257/72; 257/763; 257/764; 257/771; 257/E21.19; 257/E21.204; 257/E29.151; 257/E29.16 | Maeda, Akitoshi |
| 3 | US 5917210 A | 11 | Flat panel imaging device | 257/292 | 257/E27.111; 257/E27.13; 257/E29.273; 257/E29.275; 257/E29.299 | Huang, Zhong Shou et al. |
| 4 | US 5994155 A | 10 | Method of fabricating a thin film transistor liquid crystal display | 438/30 | 257/E21.703; 257/E27.111; 438/158 | Kim, Byung Ku |

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09/964,645 on June 02, 2003

21 257/59 (7 OR, 14 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES
257/49 NON-SINGLE CRYSTAL, OR RECRYSTALLIZED,
SEMICONDUCTOR MATERIAL FORMS PART OF ACTIVE JUNCTION
(INCLUDING FIELD-INDUCED ACTIVE JUNCTION)
257/52 ..Amorphous semiconductor material
257/57 ..Field effect device in amorphous
semiconductor material
257/59 ...In array having structure for use as imager
or display, or with transparent electrode

16 257/72 (1 OR, 15 XR)

Class 257 : ACTIVE SOLID-STATE DEVICES
257/49 NON-SINGLE CRYSTAL, OR RECRYSTALLIZED,
SEMICONDUCTOR MATERIAL FORMS PART OF ACTIVE JUNCTION
(INCLUDING FIELD-INDUCED ACTIVE JUNCTION)
257/66 ..Field effect device in non-single crystal, or
recrystallized, Semiconductor material
257/72 ..In array having structure for use as imager
or display, or with transparent electrode

14 349/42 (5 OR, 9 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
349/19 PARTICULAR EXCITATION OF LIQUID CRYSTAL
349/33 ..Electrical excitation of liquid crystal (i.e.,
particular voltage pulses, AC vs. DC, threshold voltages, etc.)
349/41 ..With particular switching device
349/42 ...Transistor

10 349/139 (1 OR, 9 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
349/56 PARTICULAR STRUCTURE
349/84 ..Having significant detail of cell structure only
349/139 ..Electrode or bus detail (i.e., excluding
supplemental capacitor and transistor electrodes)

6 349/38 (3 OR, 3 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
349/19 PARTICULAR EXCITATION OF LIQUID CRYSTAL
349/33 ..Electrical excitation of liquid crystal (i.e.,
particular voltage pulses, AC vs. DC, threshold voltages, etc.)
349/38 ..With supplemental capacitor

5 349/43 (5 OR, 0 XR)

Class 349 : LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
349/19 PARTICULAR EXCITATION OF LIQUID CRYSTAL
349/33 ..Electrical excitation of liquid crystal (i.e.,
particular voltage pulses, AC vs. DC, threshold voltages,
etc.)
349/41 ..With particular switching device
349/42 ...Transistor
349/43Structure of transistor

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09/964,645 on June 02, 2003

Combined Classifications

21 257/59
16 257/72
14 349/42
10 349/139
9 257/E27.111
6 257/E21.703
6 349/38
5 349/43
4 257/E29.299
4 345/87
4 349/138
4 349/143
4 349/147
4 349/39
3 257/57
3 257/66
3 257/E21.414
3 257/E29.117
3 345/92
3 345/98
3 345/99
3 438/30
2 345/211
2 345/94
2 349/110
2 349/152
2 349/187
2 349/44
2 349/46
2 349/54
2 438/159